

Step 2: Proposal Abstract

Applicant Name: Butte-Silver Bow Local Government

Project Title: Water Conservation Project-Installation of an Incremental, Voluntary Water Metering and Public Awareness Program Project-Year 1

Project Description and Benefits to Restoration:

Due to the adverse impacts of past mining operations, significant portions of the community's groundwater can never be used for drinking water. The lost of this water resource is estimated to exceed 5,000 gallons per minute¹. For the past several years, Butte-Silver Bow has requested Restoration Funds as replacement for the lost of our groundwater resource by initiating and continuing major infrastructure projects to our surface water resources such as the distribution line replacement program and the Big Hole River transmission line replacement project.

In order to develop a more comprehensive approach to alleviate our lost of groundwater resource, Butte-Silver Bow will initiate an incremental, voluntary water metering and Public Awareness Program to enhance our water conservation efforts in the community. Butte-Silver Bow is requesting **\$273,600.00** in Restoration Funds to accomplish this objective. Currently, there are both metered and un-metered service connections that are served by the water system. Butte-Silver Bow currently has a total of 12,232 service accounts. Of this total, 5,493 or 44% are metered and the remaining 6,972 or 56% are un-metered flat-rate accounts.

Butte-Silver Bow is proposing to incrementally add water meters over the next ten years in coordination with the Butte-Silver Bow Department of Public Works Water Division water distribution line replacement program. The meter installation project will encompass the water service areas in and around Butte-Silver Bow where municipal water service exists and where such services could logically be extended in the future. This incremental approach is consistent with our current NRD infrastructure funded programs.

Installation of a water metering system typically promotes water conservation because system users pay more for wasted water. Water meters will also provide Butte-Silver Bow with a method to detect leaks in individual service connections and in the distribution system. Additionally, not only will metering save our finite water resources, it will reduce our water treatment and pumping cost significantly. According to the 2008 draft Water Master Plan, water metering can reduce water usage by approximately 10%. In some cases, reductions as much as 20 to 40% have been seen.²

Total project costs are **\$325,161.00**, with **\$32,743.00** to be provided in cash matching funds and **\$15,930.00** to be provided by in-kind matching funds.

¹ Butte Groundwater Injury Assessment Report, UCFR NPL Sites, January, 1995

² Draft Master Plan, BSB-Water Utility Division, Robert Peccia and Associates, 2008

2008 Application		BUDGET SUMMARY FORM				
EXPENSE CATEGORY	UCFRB RESTORATION FUND	MATCHING FUNDS			TOTAL	
		Cash	In-Kind	Subtotal		
1 SALARIES AND WAGES		\$21,612.50	\$6,594.56	\$28,207.06	\$28,207.06	
2 FRINGE BENEFITS		\$11,130.48	\$2,489.73	\$13,620.21	\$13,620.21	
3 CONTRACTED SERVICES	\$25,000.00				\$25,000.00	
4 SUPPLIES AND MATERIALS	\$248,600.00				\$248,600.00	
5 COMMUNICATIONS						
6 TRAVEL						
7 RENT AND UTILITIES						
8 EQUIPMENT						
9 MISCELLANEOUS			\$9,734.20	\$9,734.20	\$9,734.20	
TOTAL	\$273,600.00	\$32,742.98	\$18,818.49	\$51,561.47	\$325,161.47	

In electronic form this spreadsheet will automatically calculate the expense totals from the Budget Detail Form.